

SEQUENCE LISTING

<110> President and Fellows of Harvard College
<120> FK506-based regulation of biological events

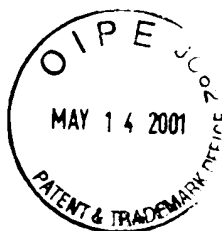
<130> ARIAD 385A US

<140> US 09/435,257

<141> 1999-05-11

<160> 34

<170> PatentIn version 3.0



<210> 1

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<221> BINDING

<222> (1)..(14)

<223> membrane binding domain

<400> 1

Met	Gly	Ser	Ser	Lys	Ser	Lys	Pro	Lys	Asp	Pro	Ser	Gln	Arg
1				5				10					

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<221> BINDING

<222> (1)..(4)

<223> organelle targeting domain

<400> 2

Lys	Asp	Glu	Leu
1			

<210> 3

<211> 4

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<213> Artificial Sequence

<220>

<221> BINDING

<222> (1)..(4)

<223> organelle tagreting domain

<400> 3

His Asp Glu Leu

1

<210> 4

<211> 42

<212> DNA

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<221> misc_structure

<222> (1)..(42)

<223> hCNA cloning oligo.12

<400> 4

cgggcccccc ctcgagtcta cgaccgacag ggtggtgaaa gc

42

<210> 5

<211> 41

<212> DNA

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<221> misc_structure

<222> (1)..(41)

<223> hCNA cloning oligo.340

<400> 5

atataaatcg ctcgagccat acgggttcc aaatttcatg g

41

<210> 6

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_structure

<222> (1)..(43)

<223> hCNA cloning oligo.350

<400> 6

atataaatcg ctcgagttta cttggtccct tccatttggt gggg

44

<210> 7

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_structure
<222> (1)..(58)
<223> hCNA cloning oligo.370

<400> 7
ccagtagggg ttagatctgg gccacgata taagtcgacg ttgaggacat ttaccagc 58

<210> 8
<211> 9
<212> DNA
<213> Artificial Sequence

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<221> misc_structure
<222> (1)..(9)
<223> overlapping XbaI and BglII sites

<400> 8
tctagatct 9

<210> 9
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(63)
<223> hCNA cloning oligo.394

<400> 9
ttaatctaga tcttcacttg tcacgtcat ctttatagtc gacctctttc cgggctgcag 60
ctg 63

<210> 10
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(41)
<223> hCNA cloning oligo.2

<400> 10
atataaatcg ctcgagggaa atgaggcaag ttatcctttg g 41

<210> 11

<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(38)
<223> hCNB cloning oligo.3

<400> 11
atataaatcg ctcgagaatg aggcaagtta tcctttgg 38

<210> 12
<211> 65
<212> DNA
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<221> misc_structure
<222> (1)..(65)
<223> hCNB/FLAG cloning oligo

<400> 12
ttaatctaga tctgggcct cacttgatc cgatcatctt atagtcgacc acatctacca 60
ccatc 65

<210> 13
<211> 116
<212> DNA
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<221> misc_structure
<222> (1)..(116)
<223> hCNA template linkers

<400> 13
cgatttatat gggccctcta gatctagaac cagaaccaga accagaacca gaaccagaac 60
cagaaccaga accagaacca ccagaaccag aaccaccgtt gaggacattt accagc 116

<210> 14
<211> 58
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<220>
<221> misc_structure
<222> (1)..(58)
<223> CNA-CNB linker oligo.1

<400> 14
gaatcgcaaa tctagatctg ggcccgatcat ctttatagtc gacaccagaa ccagaacc 58

<210> 15
<211> 58
<212> DNA
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<220>
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<223> CNA-CNB linker oligo.2

<400> 15
gaatcgcaaa tctagatctg ggcccgatcat ctttatagtc gacagaacca gaaccaga 58

<210> 16
<211> 72
<212> DNA
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<220>
<221> misc_signal
<222> (1)..(72)
<223> CNA 370 linker oligo

<400> 16
qqtqgttctg gttctgggtg ttctggttct ggttctggtt ctggttctggtt ttctggttct 60

ggttctggtt ct 72

<210> 17
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(24)
<223> CNA 370 linker

<400> 17

Gly Gly Ser Gly Ser Gly Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser
1 5 10 15

Gly Ser Gly Ser Gly Ser Gly Ser
20

<210> 18
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(22)
<223> CNA primer.1

<400> 18
gtcgacagaa ccagaaccag a

21

<210> 19
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> misc feature
<222> (1)..(22)
<223> CNA primer.2

<400> 19
gtcgacacca gaaccagaac c

21

<210> 20
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(6)
<223> SalI Site

<400> 20
gtcgac

6

<210> 21
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(5)
<223> GS linker repeats

<400> 21

Gly Gly Ser Gly Ser
1 5

<210> 22
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> mature CAB peptide fragment

<220>
<221> PEPTIDE
<222> (1)..(4)
<223> mature CAB fragment

<400> 22

Val Asp Thr Ser
1

<210> 23
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> pB42AD polylinker oligo.1

<220>
<221> misc_feature
<222> (1)..(66)
<223> pB42AD polylinker oligo1

<400> 23
tcgacgaatt cgggcccctt aagtcoggag gtcacccatg ggctgacgtc ggctgtagac 60
tcgaga 66

<210> 24
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> pB42AD polinker oligo 2

<220>
<221> misc_feature
<222> (1)..(66)
<223> pB42AD polinker oligo 2

<400> 24
aatttctcga gtctacgacc gacgtcgacc catgggtgac ctccggactt aaggggcccg 60
aattcg 66

<210> 25
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.1

<220>
<221> misc_feature
<222> (1)..(42)
<223> oligos.1

<400> 25
cgggcccccc gaattcctcg agatgggcgt gcaggtggag ac 42

<210> 26
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.2

<220>
<221> misc_feature
<222> (1)..(37)
<223> oligos.2

<400> 26
gggtctggat ccgtggactt ccagtttttag aagctcg 37

<210> 27
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.3

<220>
<221> misc_feature
<222> (1)..(50)
<223> oligos.3

<400> 27

atataaatcg ggatccgtct cgagccatac tggcttccaa atttcatgg

49

<210> 28
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.4

<220>
<221> misc_feature
<222> (1)..(72)
<223> oligos.4

<400> 28
tctttaacca tggcggccgc gggccctcac ttgtcatcgt catctttata gtgcaccaca 60
ctaccacca tc 72

<210> 29
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> pLexA-mCABE.1

<220>
<221> misc_feature
<222> (1)..(38)
<223> pLexA-mCABE.1

<400> 29
cttggtcct tccatttggt ggggaaaaag tgactgag 38

<210> 30
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> pLexA-mCABE.2

<220>
<221> misc_feature
<222> (1)..(32)
<223> pLexA-mCABE.2

<400> 30
gggaacaatc tgaaagatac acagttacag c 31

<210> 31
<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<223> Where "v" represents nucleotides G or C and "n" represents any of
the nucleotides A, G, C or T

<220>
<221> misc_feature
<222> (1)..(64)
<223> oligo.1

<400> 31
gctgtaactg tgtatctttc agattgttcc cvnnvnncat cttvnntacc tggaagagtt 60
cccc 64

<210> 32
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<223> oligo.2

<220>
<221> misc_feature
<222> (1)..(65)
<223> oligo.2

<400> 32
ttaatctaga tctgggccct cacttgatcat cgatcatcttt atagtcgacc acatctacca 60
ccatc 65

<210> 33
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> oligo.3

<220>
<221> misc_feature
<222> (1)..(41)
<223> oligo.3

<400> 33
atataaatcg ctgagccat actggcttcc aaatttcatg g

41

<210> 34
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Where "v" represents nucleotides G or C and "n" represents any of
the nucleotides A, G, C or T

<220>
<221> misc_feature
<222> (1)..(52)
<223> oligo.4

<400> 34
ctcagtcact ttttcccca aaatggaag vnnvnnaqta aaaacatcca tg

52